

# Video Enhancement

Motion blur is everywhere!

$$g = d * f + w$$

↓  
 $d > 0$

点扩散函数: 物理特性  
point-spread function

No blur

$$d = \delta = \begin{cases} 1 & , n_1 = n_2 = 0 \\ 0 & , \text{otherwise.} \end{cases}$$

$$g \approx f + w$$

Deep Video Deblur

Encoder-Decoder Structure.

# Water / Air Turbulence effect Remove

Video Non - Rigid Registration 非刚性登记?

low-rank Decomposition

→ Reference image

Deblurring

↻  
Superfast  
Refinement  
NLTV & TV

↓  
Recovered Image